Rec'd PCT/PTO 15 MAR 2005

PATENT COOPERATION TREA



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference									
P16559PC/MH	FOR FURTHER ACTION See Form PCT/IPEA/416								
International application No.	International filing date (day/month/year)	Priority date (day/month/year)							
PCT/SE2002/001672	16-09-2002								
International Patent Classification (IPC) or									
G06F 13/14, H04L 29/08	3. H041, 12/56								
İ	, 15, 15 12 25, 60, HO4E 12/56								
	Applicant								
TELEFONAKTIEBOLAGET L	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) ET AL								
1. This report is the international preli									
Authority under Article 35 and tran	minary examination report, established by thi smitted to the applicant according to Article 2	s International Preliminary Examining							
2. This REPORT consists of a total of	4 sheets, including this cover								
3. This report is also accompanied by									
/									
a. (sent to the applicant a	nd to the International Bureau) a total of	sheets, as follows:							
sheets of the de	scription, claims and/or drawings which have	been amended and are the basis of this report							
Administrative	Instructions).	nority (see Rule 70.16 and Section 607 of the							
sheets which su	persede earlier sheets, but which this Authorit	ty considers contain an amendment that goes							
Supplemental B		as indicated in item 4 of Box No. I and the							
1									
(sent to the International	l Bureau only) a total of (indicate type and nu	umber of electronic carrier(s))							
readable form only, as in Administrative Instruction	readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This report contains indications relat	ing to the following items:								
Box No. I Basis of th									
Box No. II Priority	_	-							
Box No. III Non-establ	ishment of opinion with regard to novelty in	ventive step and industrial and in the							
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicab Box No. IV Lack of unity of invention									
Box No. V Reasoned s	tatement under Article 35(2) with regard to no	ovolte inserti							
	y, creations and explanations supporting such	statement							
Box No. VI Certain doc	uments cited								
	ects in the international application								
Box-NoVIIICertain obs	ervations on the international-application	THE STREET AND A STREET AND A STREET AND ASSESSED AND ASSESSED ASSESSED ASSESSED.							
Date of submission of the demand	Date of completion of	this report							
		İ							
16-02-2002	31-08-2004	31-08-2004							
Name and mailing address of the IPEA/SE	Authorized officer	Authorized officer							
Patent- och registreringsverket Box 5055		1							
Lisbeth Andersson /LR									
Facsimile No. +46 8 667 72 88	Tolombono No. 45 0 00/ /2 88								
Form PCT/IPEA/409 (cover sheet) (January 2004)									



mational application No.
PCT/SE2002/001672

received by this Authority on	language, In (replacement sheets which have been deed to in this report as "originally filed" as originally filed/furnished as originally filed/furnished as originally filed/furnished
This report is based on a translation from the original language into the following which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) regard to the elements of the international application, this report is based or and to the receiving Office in response to an invitation under Article 14 are referr not annexed to this report): the international application as originally filed/furnished the description: pages pages* received by this Authority on received by this Authority on received by this Authority on the claims: pages as amended (togethe received by this Authority on received by this Authority on received by this Authority on the claims:	language, In (replacement sheets which have been deed to in this report as "originally filed" as originally filed/furnished as originally filed/furnished as originally filed/furnished
international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) gard to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referrant annexed to this report): the international application as originally filed/furnished the description: pages pages* received by this Authority on the claims: pages as amended (together received by this Authority on received by this Authority on received by this Authority on the claims: pages as amended (together received by this Authority on received by this Authority o	as originally filed/furnished as originally filed/furnished
international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) regard to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referrent annexed to this report): the international application as originally filed/furnished the description: pages pages* received by this Authority on the claims: pages as amended (together received by this Authority on receiv	as originally filed/furnished as originally filed/furnished as originally filed/furnished as originally filed/furnished
publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3) gard to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referrence and annexed to this report): the international application as originally filed/furnished the description: pages	as originally filed/furnished as originally filed/furnished as originally filed/furnished as originally filed/furnished
international preliminary examination (under Rules 55.2 and/or 55.3) regard to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referrent annexed to this report): the international application as originally filed/furnished the description: pages pages* received by this Authority on the claims: pages as amended (together received by this Authority on received by this Authority on the claims: pages* as amended (together received by this Authority on received by this Auth	as originally filed/furnished as originally filed/furnished as originally filed/furnished as originally filed/furnished
regard to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referr not annexed to this report): the international application as originally filed/furnished the description: pages	as originally filed/furnished as originally filed/furnished as originally filed/furnished as originally filed/furnished
the description: pages pages* received by this Authority on received by this Authority on received by this Authority on the claims: pages pages* as amended (together received by this Authority on received by this Authority on the claims:	as originally filed/furnished
pages* received by this Authority on received by this Authority on received by this Authority on the claims: pages as amended (together received by this Authority on received by this Authority on the claims:	as originally filed/furnished
pages* received by this Authority on received by this Authority on received by this Authority on the claims: pages as amended (together received by this Authority on receive	as originally filed/furnished
received by this Authority on the claims: pages as amended (togethe pages* received by this Authority on received by this Authority on	as originally filed/furnished
received by this Authority on the claims: pages as amended (togethe pages* received by this Authority on received by this Authority on	as originally filed/furnished
pages* as amended (together pages* received by this Authority on	T With any statement) under Article 10
pages* as amended (together pages* received by this Authority on	T With any statement) under Article 10
pages* as alliended (togethe	T With any statement) under Article 10
received by this Authority on	
received by this Authority on	
he drawings:	
ages	as originally filed/furnished
ages* received by this Authority on	
received by this Authority on	
sequence listing and/or any related table(s) - see Supplemental Box Relating to S	equence Listing.
he amendments have resulted in the cancellation of:	
the description, pages	
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (specify):	
any table(s) related to the sequence listing (specify):	
nis report has been established as if (some of) the amendments annexed to this ade, since they have been considered to go beyond the disclosure as filed, as ind 2.2(c)).	report and listed below had not been licated in the Supplemental Box (Rule
the description, pages	The same of the sa
the claims. No.	
the description of the second	·
	
a a s s s s s s s s s s s s s s s s s s	received by this Authority on received by this Authority on received by this Authority on sequence listing and/or any related table(s) – see Supplemental Box Relating to Some amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to the sequence listing (specify): is report has been established as if (some of) the amendments annexed to this de, since they have been considered to go beyond the disclosure as filed, as ind 2(c)).

ı	Box No. V	
ı	DOX NO. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
ı		oralline and the same of the s
ł		citations and explanations supporting such statement
ı		stations and explanations supporting such statement
ı		

1.	Statement			
	Novelty (N)	Claims Claims	<u>4-6,9,13,14</u> <u>1-3,7,8,10-12,15</u>	YES NO
	Inventive step (IS)	Claims Claims	1-15	YES NO
	Industrial applicability (IA)	Claims Claims	1-15	YES NO

2. Citations and explanations (Rule 70.7)

The invention relates to a method and arrangement for controlling data flow on a data bus. The object of the invention is to solve the problem of reception problem at a receiver caused by buffers that are full. When the receiver detects that the buffers of the receiver are full, the receiver transmits a control data sequence to all available transmitters. The transmitters alters their transmission mode from "transmission" to "blocking transmission" when they receive the control data sequence from the receiver.

The following documents are cited in the International Search Report:

D1: EP 1014626 A2 D2: US 5878279 A D3: EP 0602806 A2 D4: US 5007051 A D5: US 4261035 A

Document D1, which is considered to represent the relevant prior art, discloses a method, apparatus and network device for controlling the flow of network data arranged in frames and for minimizing congestion, such as in the receive port of an HDLC controller. A status error indicator generated within a receive FIFO memory, which is considered equal to the receiver buffer of the invention, indicative of a frame overflow within the receive FIFO memory. The status error indicator can be read by a communications processor and an early congestion interrupt, which is considered equal to the control data sequence of the invention, can be generated. The result of the early congestion interrupt signal is that network burst size is changed or a modification of time-slice of the active processes. Hence the transmission mode is changed due to the early congest interrupt signal. (see figure 26, sections 0129-0134)

INTERNATIONAL PERLIMINARY REPORT ON PATENTABILITY

International application No.

T/SE2002/001672

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box V

The invention according to claims 1-3 and 7-8, 10-12, 15 is previously known from document D1 and thus not novel.

The invention according to claims 4-6 differs from the method and arrangement of D1 since the invention state that the receiver comprises the following parts: processing unit, memory unit, bus driver and logical unit. This is merely one of several straightforward ways to facilitate a receiver from which the skilled person would select a way. Hence, the invention according to claims 4-6 is not considered to involve an inventive step.

In claims 9 and 13-14 slight constructional variations are suggested that are obvious to a person skilled in the art, especially as the advantages thus achieved can be readily contemplated in advance. Consequently, the invention claimed in claims 9 and 13-14 does not involve an inventive step.

Documents D2-D5 represent the general state of the art.

Form PCT/IPEA/409 (Supplemental Box) (January 2004)